FIG. 1

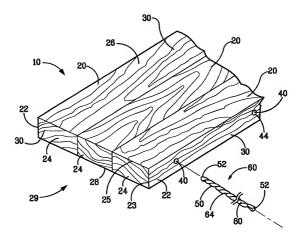
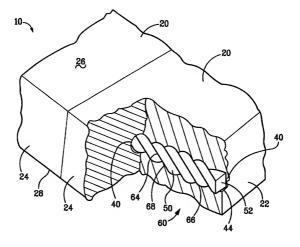
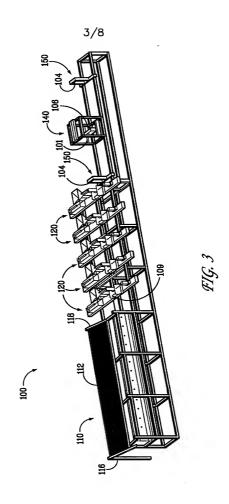
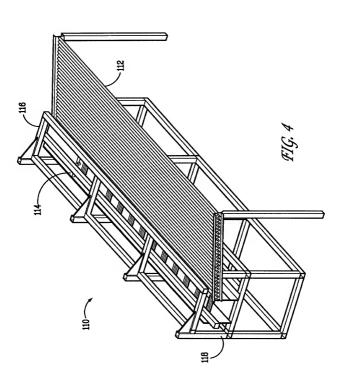


FIG. 2

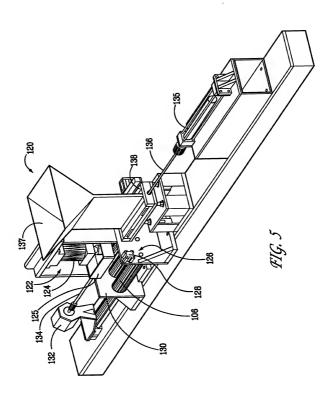


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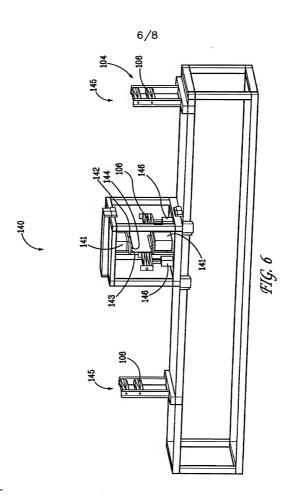


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## FIG. 1

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Test 3	Max Load, lbs/Deflection/Failure	1527 The /8 985" /simple tension	102 ( 103/0.000 / Sumpte constant	1648 lbs/7.760"/full deflection	reached with no failure	1659 The /8 844" /simple tension	1002, 105/ 0.044 / simple without	1774 lbs/7.438"/full deflection	reached with no failure	2147 lbs/6.785"/cross-grain	tension failure	1000 Ths /4 275" /simple tension	1000 to 100/ Track / State of the control
Test 2	Marked on Deflection © Deflection 1 Board Board 500 Ibs,in © 500 Ibs,in	2.282	2.034	2.308	2.271	2.124	2.051	2.174	2.112	N/A	N/A	N/A	N/A
Test 1	Deflection © 500 lbs,in	1.975	2.002	2.378	2.508	2.157	1.996	2.002	2.005	1.594	1.810	1.914	2.081
Date		12-94	12-94	12-94	12-94	12-94	12-94	11-94	11-94	11-94	11-94	11-94	11-94
Side		A	В	¥	В	A	m	A	В	A	В	A	В
HER	s/N	-		∾	~≥	က	က	4	4	သ	2	9	9

FIG. 8

Comparison Results					
	Pinned	Solid	Laminated		
Modulus of Elasticity	2.0 x 10 <sup>6</sup>	1.8 x 10 <sup>6</sup>	2.15 x 10 <sup>6</sup>		
Flexural Stress	2,600 psi	2,200 psi	2,900 psi		
Horizontal Sheer Stress	120 psi	90 psi	145 psi		

FIG. 9

Failure Results						
Type of board	Average Failure Load (lbs)	Comments				
Pinned	2,700 psi	One member out of three fails first				
Solid	2,200 psi	Whole Unit Fails				
Laminated	2,400 psi	Whole Unit Fails				

FIG. 10

Deflection Results					
Type of board (7 ft span)	Deflection @ 50 psf Load (in)	OSHA Allowable Deflection (in)			
Pinned	0.73	1.4			
Solid	0.81	1.4			
Laminated 0.73		1.4			